Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/04/2016 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124649	-1	1.08	124477	1.01
Blue	F	SSC	125000	124508	-1	2.59	125389	2.29
Blue	E	FITC	17224	16752	-3	2.28	945	8.40
Blue	D	PE	22462	21903	-3	1.89	987	7.66
Blue	B	PerCP-Cy5-5	63940	62806	-2	2.53	1665	12.49
Blue	A	PE-Cy7	72480	71262	-2	3.69	942	23.67
Red	C	APC	63778	63308	-1	2.39	3578	7.66
Red	A	APC-Cy7	97254	97442	0	2.46	1940	7.49
Violet	B	V450	10730	10401	-4	3.16	642	7.53
Violet	A	V500	42147	40426	-5	2.76	2281	5.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19970	1.67	582	-38	N/A	N/A	Pass
Blue	F	SSC	62265	1.48	505	-22	N/A	N/A	Pass
Blue	E	FITC	103	34.78	513	-26	0.0288	209	Pass
Blue	D	PE	205	23.02	507	-25	0.1879	120	Pass
Blue	B	PerCP-Cy5-5	205	37.76	592	-22	0.0123	12	Pass
Blue	A	PE-Cy7	71	92.66	648	-25	0.0163	9	Pass
Red	C	APC	336	25.29	576	-8	0.0239	51	Pass
Red	A	APC-Cy7	123	36.39	558	-7	0.0054	905	Pass
Violet	B	V450	69	40.12	445	-29	0.0562	2081	Pass
Violet	A	V500	150	22.56	474	-29	0.0177	900	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.96	-30.74	0.82
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.28
Red	14.95	13.09 - 19.63	N/A	N/A	31.44	31.63	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9769

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments